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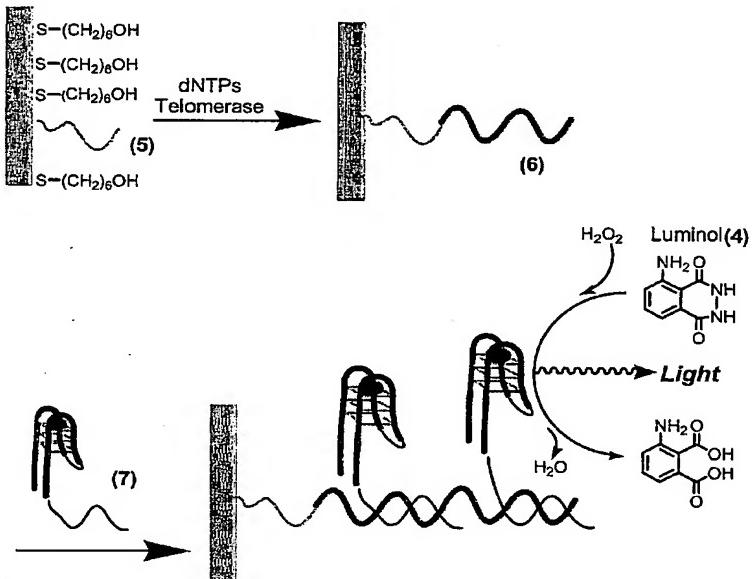
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[Continued on next page]

- (54) Title: CATALYTIC POLYNUCLEOTIDE AND ITS USE FOR DETERMINATION OF ANALYTES



(5) = 5'-HS(CH₂)₆TTCCTTAATCCGTCGAGCAGAGTT-3'

(6) = 5'-(GGTTAG)_n-3'

(7) = 5'-CTAACCTAACCTTGGTAGGGCGGGTTGGG-3'

(57) Abstract: A method for the determination of an analyte in a sample, the method comprising: (a) providing a catalytic polynucleotide; (b) contacting the catalytic polynucleotide with the sample so that the catalytic polynucleotide may bind to the analyte; (c) providing assay conditions such that the catalytic polynucleotide produces an optically detectable signal in the presence of the analyte; and (d) detecting the signal, thereby determining the presence of the analyte in the sample. One application of the method is for the detection of telomerase in a biological sample.

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TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
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